

## DT curriculum map

**Vision statement:** Our aim for DT is to encourage children to learn how to take risks, becoming resourceful and developing confidence and resilience, in an environment where efforts are valued and all children flourish. We stimulate creativity and imagination through problem solving, collaborative group work and through producing purposeful, appealing and quality products. We enable the children to develop, apply and embed their skills through linked topic learning, building on what they already know and can do and acquire and develop the knowledge, skills and vocabulary they need to be successful independent designers and makers.

	Autumn	Spring	Summer	Key Vocabulary
Nursery	<p><b>Cooking and nutrition</b> Discuss - a healthy choice eg eating fruit and drinking water and milk. Talk about where our food comes from when cooking, through stories eg Handa's surprise and where potatoes grow when learning about Harvest</p> <p><b>Name</b> the fruit that they have eaten at the snack cafe and ingredients used during cooking activities.</p> <p><b>Introduce</b> healthy lifestyle habits e.g washing hands.</p> <p><b>Textiles</b> <b>Weave</b> by wrapping wool or thread with beads to create a christmas decoration</p> <p><b>Follow</b> safety procedures eg scissors</p>	<p><b>Construction and structures</b> <b>Discuss, experiment and evaluate</b> how their construction models could be made more stable</p> <p><b>Construction and structures</b> <b>Make</b> a musical instrument from junk modelling materials, experimenting how to use joining techniques</p>	<p><b>Cooking and nutrition</b> <b>Name and make</b> a dish from their chosen country - cut, peel, chop,</p>	<p>weave thread build model food cooked plants animals idea draw make fruit vegetables cut</p>
Reception	<p><b>Construction and structures</b> <b>Explore</b> woodwork equipment - hammers, nuts and bolts. <b>Use</b> short handled hammer with a large head.</p> <p><b>Discuss</b> why various materials have been used or might be used</p> <p><b>Follow</b> safety procedures and rules for equipment eg hole puncher, woodwork tools etc</p> <p><b>Discuss</b> how structures could be changed to be made more stable</p> <p><b>Cooking and nutrition</b> <b>Discuss</b> where different foods come from eg Harvest and our daily fruit/veg</p> <p><b>Cook</b> a festive treat with a focus on mixing, cutting and peeling</p> <p><b>Textiles</b></p>	<p><b>Cooking and nutrition</b> <b>Name</b> fruits and vegetables that we eat at school when fruit cafe is introduced</p> <p><b>Design</b> and bake cakes to sell for Reception cake sale</p> <p><b>Construction and structures</b> <b>Cut</b> wood using a saw (blade length about 40cm with fine teeth) and use other tools eg wrench</p> <p><b>Discuss</b> how models may be modified if needed</p> <p><b>Mechanisms</b> <b>Use</b> joining materials e.g sellotape dispenser</p>	<p><b>Cooking and nutrition</b> <b>Select</b> fruit to use to make a fruit salad/smoothie</p> <p><b>Name and make</b> a dish from their chosen country - cut, peel, chop using a blunt knife</p> <p><b>Discuss</b> ways of keeping healthy and know what healthy diet looks like</p> <p><b>Create</b> an example healthy food plate</p> <p><b>Sort</b> foods that are healthy/unhealthy for us</p>	<p>plan push pull move sort peel chop label build join fix attach stick glue tear rip scissors ruler saw hammer</p>

	<p><b>Sew</b> pom poms to create a christmas decoration using a running stitch.</p>			
<b>Year 1</b>	<p><b>Construction and structures</b>  <b>Mark out, cut and select</b> materials to make a 3D model of the school. <b>Explore</b> how to <b>attach</b> parts to make it stronger -using hole puncher and stapler with string</p> <p><b>Textiles</b>  <b>Design</b> a Christmas stocking and create using sewing and cutting skills.</p> <p><b>Sew</b> a christmas stocking using a running stitch. Understand how their sewing will help them in future learning.</p> <p><b>Mechanisms</b>  To create a moving picture using levers (eg, crocodiles and people)</p>	<p><b>Construction and structures</b>  <b>Build</b> a pirate ship to ensure it is strong enough to float and a space rocket ready to land on the moon. <b>Choose</b> and <b>cut</b> to size junk modelling, decide the best way to <b>attach</b> for a lasting effect. <b>Test</b> product.</p> <p><b>Select</b> from a range of tools, equipment and materials after classroom discussions and guidance when making space rocket and pirate ship</p> <p><b>List</b> the main parts of a rocket and pirate ship. Decide what a good design would look like.</p> <p><b>Assemble</b> and <b>join</b> materials using components (Space rocket, pirate ship, moving pictures)  Talk about changes made during the making process, e.g. making a decision to use a different joining method.</p>	<p><b>Cooking and nutrition</b>  Choose tools to <b>cut, slice, peel</b> and <b>chop</b> to create healthy snack</p> <p><b>Select</b> ingredients to use in dish from chosen country for Around the world week - cut, peel, grate, chop, measure, and weigh. <b>Find out</b> by researching specific food from chosen country.</p> <p><b>Design/create</b> a healthy fruit salad snack eg fruit pie</p> <p><b>Explain</b> how food comes from plants or animals and justify why everyone should eat at least five portions of fruit and vegetables every day.</p>	<p>farmed  caught  grown  portions  prepare  grate  levers  sliders  wheels  axles  pivot  split pin  investigate  design  purpose  plan  discuss  model  draw  template  idea  ingredients  Change  improve</p>
<b>Year 2</b>	<p><b>Construction and structures</b>  <b>Research</b> and <b>design</b> bug hotels which will attract minibeasts in our school grounds. Look at design features in Bug Hotels at the Wetland Centre and those made by previous classes</p> <p>Draw and label a plan and <b>select</b> from a range of tools and equipment, explain their choice for bug hotel.</p> <p>Measure, cut and score with some accuracy, selecting <b>the correct</b> tools and equipment when building bug hotel</p> <p><b>Discuss</b> how freestanding structures can be made stronger, stiffer, and more stable when making bug hotel</p> <p><b>Cooking</b>  <b>Choose</b> tools and equipment when making bird pud and bread.</p> <p><b>Know</b> that flour comes from wheat when cooking bread, <b>observing</b> and <b>explaining</b> that yeast makes bread rise</p>	<p><b>Construction and structures</b>  <b>Select</b> ingredients to make a new sweet invention and select appropriate materials for sweet packaging</p> <p><b>Compare</b> and <b>describe</b> different sweets and their packaging</p> <p><b>Cooking and nutrition</b>  <b>Explain</b> that chocolate comes from cocoa beans, which grows on trees eg Central America and South America. Discuss how cocoa trees can only live in hot, rainy places near the equator.</p> <p><b>Mechanisms</b>  <b>Investigate</b> how wheels and axles can be used in products and <b>apply</b> this information to <b>create</b> their own vehicle for easter eggs</p>	<p><b>Cooking and nutrition</b>  <b>Compare</b> dips and <b>design</b> a healthy dip</p> <p><b>Choose</b> tools and equipment e.g. Cut ingredients for salsa using a knife and <b>select</b> appropriate ingredients</p> <p><b>Prepare</b> a simple dish safely and hygienically from their chosen country - cut, peel, grate, chop, measure, weigh and taste food from chosen country</p> <p><b>Sort</b> ingredients from the dips onto the eatwell plate showing how they belong to the five groups.</p> <p><b>Discuss</b> where fruits and vegetables grow. Know that food has to be farmed, grown elsewhere or caught <b>Identify</b> those grown underground.</p>	<p>research  develop  Quantity  Recipe  Nutrients  Vegetarian  Dietary  requirements  useful  unsuccessful  modify  alter  original  evaluate  diagrams  labels  mould  shape  adhesive  presentation  texture  flavour  effective</p>

**Textiles**

**Design** a Christmas stocking and create using sewing and cutting skills.

**Cut, shape and join** fabric using basic sewing techniques eg blanket stitch

design criteria